

# INTERNATIONAL SEARCH REPORT

PCT/GB2004/004122

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 G01N27/407 G01N33/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 6 355 151 B1 (LENAERTS SILVIA ET AL)  12 March 2002 (2002-03-12)  column 2, line 23 - line 27  column 2, line 37 - line 38  column 2, line 58 - line 67  column 3, line 11 - line 29  column 4, line 41 - line 63  column 5, line 4 - line 5</p> <p style="text-align: center;">----- -/--</p>	<p>1-6, 13, 14, 20</p>

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

12 November 2004

Date of mailing of the international search report

29/11/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>VERNOUX P ET AL: "Electrochemical Promotion of Propane and Propene Oxidation on Pt/YSZ" JOURNAL OF CATALYSIS, ACADEMIC PRESS, DULUTH, MN, US, vol. 208, no. 2, 10 June 2002 (2002-06-10), pages 412-421, XP004465793 ISSN: 0021-9517 page 412</p>	1-20
A	<p>LUERSZEN B ET AL: "Electrocatalysis on Pt/YSZ electrodes" SOLID STATE IONICS, NORTH HOLLAND PUB. COMPANY. AMSTERDAM, NL, vol. 141-142, 1 May 2001 (2001-05-01), pages 701-707, XP004248396 ISSN: 0167-2738 the whole document</p>	1-20
A	<p>DE 198 08 521 A (SIEMENS AG) 16 September 1999 (1999-09-16) the whole document</p>	1-20
A	<p>GOPEL I W ET AL: "Trends in the development of solid state amperometric and potentiometric high temperature sensors" SOLID STATE IONICS, NORTH HOLLAND PUB. COMPANY. AMSTERDAM, NL, vol. 136-137, 2 November 2000 (2000-11-02), pages 519-531, XP004225981 ISSN: 0167-2738 page 524 - page 525; figure 10</p>	1-20
A	<p>SOMOV S I ET AL: "A parallel analysis of oxygen and combustibles in solid electrolyte amperometric cells" SENSORS AND ACTUATORS B, ELSEVIER SEQUOIA S.A., LAUSANNE, CH, vol. 47, no. 1-3, 30 April 1998 (1998-04-30), pages 131-138, XP004147329 ISSN: 0925-4005 the whole document</p>	1-20
A	<p>EP 0 949 505 A (MATSUSHITA ELECTRIC IND CO LTD) 13 October 1999 (1999-10-13) the whole document</p>	1-20

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			EP 0949505 A2	13-10-1999
			US 6238535 B1	29-05-2001